



5-30-06

Mitja Hinderks

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Commissioner for Patents  
P O Box 1450 Alexandria VA 22313 - 1450

Serial No <sup>477703</sup> 08 / ~~447-703~~  
Filed June 7 1995  
Group Art Unit 3747  
Examiner Noah Kamen  
New Title FLUID TRANSFER IN RECIPROCATING DEVICES

25<sup>th</sup> May 2006

### COVER LETTER: SUPPLEMENTAL AMENDMENT

It is respectfully requested of the Commissioner that the attached Supplemental Amendment be entered in the above case. Its purpose is to rectify errors in the text and drawings, to clarify the disclosure, to provide an abstract, and to amend the claims as per office communication dated 30<sup>th</sup> January 2006.

Permission is requested for a three month extension of the original one month time to respond, with payment of the appropriate fee, by 30<sup>th</sup> May 2006.

The following fees are due, based on the applicant's Small Entity status:	\$
Three month extension for Response	510
New claims, total of 41 at \$ 25 each	1 025
New multiple dependant claims, reading on 20 claims, total 5 @ \$180 each	900
<b>TOTAL</b>	<b>\$ 2 435</b>

Enclosed is credit card payment form in the amount of \$ 2 435.00

Please debit my patent office deposit account number **501 334** if any additional fees should be due.

Respectfully submitted,

Mitja Victor Hinderks.

Sole inventor, applicant and power-of-attorney of record.



Commissioner for Patents

**Mitja Hinderks**

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Reference the Application of Mitja Hinderks:

Serial No **08 / 477 703**  
Filed June 7 1995  
Group Art Unit 3747  
Examiner N Kamen  
New Title FLUID TRANSFER IN RECIPROCATING DEVICES

25<sup>th</sup> May 2006

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I hereby certify that the correspondence itemized below is being deposited with the United States Postal Service today with sufficient postage as first class mail in a package addressed to:

Mail Stop Amendments  
Commissioner for Patents  
P O Box 1450  
Alexandria VA 22313 - 1450

The following documents relating to the above patent application are herewith enclosed:

- 1 This Certificate of Mailing (1 page);
- 2 Supplemental Amendment to the Disclosure and Claims, with attached schedule of changes and Remarks, dated 25<sup>th</sup> May 06 (39 pages);
- 3 A clean copy of the text as amended (89 pages);
- 4 A copy of amended sheet 40/40 of the diagrams (1 page), with the Amendment;
- 5 An annotated copy of all the claims in the case, incorporating the changes (20 pages);
- 6 A clean copy of all the claims in the case as amended (16 pages);
- 7 A claim reference schedule, referring to relevant Figures and sections of text (4 pages);
- 8 A cover letter dated 25<sup>th</sup> May 06, setting out fees due (1 page);
- 9 A credit card payment form PTO-2038;
- 10 A postage pre-paid card, to be signed and dated by the USPTO receiving officer when all these documents are received.

Sincerely,

Mitja Victor Hinderks.

Sole inventor, applicant and power-of-attorney of record.

## *SUPPLEMENTAL AMENDMENT 25<sup>th</sup> May 2006*

*In part in response to Office Communication dated 30<sup>th</sup> January 2006*

*USPTO Application 08 / 477 703 Applicant: Mitja Hinderks 310 208 6606*

### *CLAIM REFERENCES*

*The copy of the text cited is that as amended May 25<sup>th</sup> 2006.*

*In the text, there are references to any feature of the disclosure being combinable with any other feature. They include:*

*On page 4, first paragraph: "The features described herein illustrate by way of example the many ways un-cooled engines and exhaust gas reaction volumes may be constructed. Any type of piston or valve may be used in an un-cooled engine and the engine portions may be assembled in any manner."*

*On page 4, fourth paragraph "It is emphasized that the various features and embodiments of the invention may be used in any appropriate combination or arrangement."*

*On page 29, first paragraph: "The various constructional details described can be combined in any way, to produce engines for a wide variety of applications."*

*On page 30, first paragraph: "Hopefully the foregoing has shown by way of example that the various features described can be combined in any way to produce a complete new generation of more efficient internal combustion and compound engines."*

*On page 31, first paragraph: "Any or all of the embodiments described in this disclosure may be used in any combination with each other, and the invention incorporated in any type of engine, in turn incorporated in any type of mechanism or vehicle."*

*On page 52, the second and following paragraphs, beginning: "The different concepts in this disclosure can be combined in any way. . . ."*

*On page 61, second paragraph: "It is intended that the features described herein may be used in any convenient combinations."*

*On page 65, last paragraph: "All the features described herein may be combined in any convenient or desired way. . . ."*

*On page 75, last paragraph: "The above features may be used in any suitable combination with each other. . . ."*

## INDIVIDUAL CLAIMS

*In the references for individual claims, those with similar features are given on the same line.*

198	221	242	277	297	321	feature	Figs	Text pp / ln
198							129 - 132, 136 - 140, all with 20 - 32.	46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5, 13 ln 16 - 14 ln 27.
	221						129 - 132, 136 - 140, all with 20 - 32.	46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5, 13 ln 16 - 14 ln 27.
		242					129 - 132, 136 - 140.	46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5. ceramic through text.
			277				129 - 132, 138 - 140.	46 ln 12 - 47 ln 12 48 ln 30 - 51 ln 5.
				297			136 - 140.	47 ln 26 - 51 ln 5.
					321		20, 136 - 140, all with 178 - 228.	13 ln 16 - 14 ln 1, 47 ln 26 - 51 ln 5, 66 ln 30 - 71 ln 12.
		243	278	298	322	housing	20 - 32, 129 - 132, 136 - 140.	13 ln 16 - 14 ln 27, 46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5.
199	222	259	287	309	333	cyl. rotates	116 - 118.	41 ln 20 - 42 ln 30.
200	223	244	279	299	323	com. rotates	98 - 102, 119 - 128	34 ln 24 - 37 ln 2, 42 ln 31 - 46 ln 5.
		245, multiple	344			crankshaft	1, 9, 32.	8 ln 20 - 11 ln 3, 14 ln 24 - 27.
		246, multiple	345			tensile link	20 - 55.	13 ln 16 - 24 ln 8.
	224					cer. cyl.		Major part disclosure.
	225	247		300		cer. com.		Major part disclosure.
201			280		324	cer. either		Major part disclosure.

202	226		281		325	cyl. fasten	14, 78, 79, 136 - 140.	12 ln 4 - 9, 28 ln 1 - 14, 47 ln 26 - 51 ln 5.
203	227	249	282	301	326	com. fasten	136 - 140.	47 ln 26 - 51 ln 5.
204	228	248	283	302	327	mirror com.	136 - 140.	47 ln 26 - 51 ln 5.
205				303	328	Com. pass.	90 - 95, 129 - 132, 136 - 140.	32 ln 17 - 34 ln 1, 46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5.
		250, multiple	346		342	fil. mat. pas.	129 -132.	46 ln 12 - 47 ln 12,
		251				com. depress.	71.	26 ln 7 - 14.
		252				cyl. depress.	71.	26 ln 7 - 14.
206	229		284	304	329	either depr.	71.	26 ln 7 - 14.
207	230	256	285	307		Volume	20, 21, 90 - 95, 129 -132, 136 -140.	13 ln 16 - 14 ln 6, 32 ln 17 - 34 ln 1, 46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5.
208	231	257 multiple 347	286	308	332	Engine “		Major part disclosure.
		258	288	310	334	Hous. insul.	20 -32, 77 - 79, 129 - 132, 136 - 140	13 ln 16 - 14 ln 27, 28 ln 1 - 14, 46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5.
209	232	260	289	311	335	Endless tr.	98 - 101, 119 -128.	34 ln 24 - 36 ln 14, 43 ln 10 - 46 ln 5.
210	233	261	290	312	336	Wave surf.	102, 109 - 115.	36 ln 15 - 28, 38 ln 16 - 41 ln 19.
211	234	266	291	313	337	Splines	281, 282.	37 ln 3 - 16.
212		267		314		Bellows	107, 108.	37 ln 3 - 16.
213		268		315		Hinge	105, 106.	37 ln 3 - 16.
214		269		316		Flanges	103, 104.	37 ln 3 - 16.
215			292		338	Either electr.	267.	84 ln 3 - 18.

								<i>text 9 ln 10 - 19.</i>
	235	254		306		<i>Cyl. electric</i>	267.	84 ln 3 - 18, <i>text 9 ln 10 - 19.</i>
	236	262		317		<i>Com. electric</i>	267.	<i>combine features.</i>
216	237	253	293	305	339	<i>Cyl. tube</i>	140.	49 ln 31 - 51 ln 5.
217	238	264	294	318	340	<i>Com. tube</i>	140.	49 ln 31 - 51 ln 5.
218	239	263	295	319	341	<i>Port</i>	21, 136 - 140.	47 ln 26 - 51 ln 5.
		265, multiple 346		330		<i>Fil. catalyt.</i>		55 ln 27 - 59 ln 10.
		255				<i>Rot. Shaft</i>	103 - 108, 281, 282.	37 ln 3 - 16, 37 ln 3 - 16.
		270, multiple 346				<i>Fil. mat. vol.</i>	131.	46 ln 12 - 47 ln 12,
		271				<i>Comp. eng.</i>	7, 10, 11, 76.	
219	240				331	<i>Ins. struct.</i>	20, 21, 77 - 79, 131, 136 - 140.	13 ln 16 - 14 ln 6, 28 ln 1 - 14 46 ln 12 - 47 ln 12, 47 ln 26 - 51 ln 5.
220	241	272	296	320	343	<i>Diseng. guide</i>	99 - 101, 126 - 128.	34 ln 24 - 36 ln 14, 43 ln 10 - 46 ln 5.
		273, multiple 346		342		<i>Fil. catalyt.</i>		55 ln 27 - 59 ln 10.
		274, multiple 349				<i>Comp. turb.</i>	5 - 8, 10 - 13,  75, 76, 131.	10 ln 2 -12 ln 3, 27 ln 24 - 28 ln 1, 46 ln 29 - 47 ln 12.
		275				<i>Comp. steam</i>	5 - 8, 10 - 13, 75, 76.	10 ln 2 - 12 ln 3, 27 ln 24 - 28 ln 1.
		276				<i>Comp. Stirl.</i>	5 - 8, 10 - 13, 75, 76.	10 ln 2 - 12 ln 3, 27 ln 24 - 28 ln 1.

END OF REFERENCES